

ABSTRACT OF THE DISCLOSURE

An optical printer head with a plurality of light-emitting devices arranged in two dimensions is capable of providing a desired amount of exposure using light-emitting devices having even small luminance, ease of corrections to a sensitivity of a photosensitive body and to a positional displacement of an object to be printed, performing printing on multiple gray scales and implementing high density and miniaturization. The optical printer head is so configured that a picture element array including picture elements containing light-emitting devices arranged in line and string directions in two dimensions, a horizontal scanning circuit to feed data signals to each picture element string in the picture element array and a vertical scanning circuit to sequentially select and activate each picture element in the picture element array are formed on a same insulating substrate to support production of the above effects. The luminance of the picture elements is also made variable by use of a plurality of light-emitting devices and/or variable drive for each picture element to enhance the continuity of gray scale achieved.